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(12) UK Patent Application (19) GB (11) 2 243 760 (13) A

(43) Date of A publication 13.11.1991

(21) Application No 9109556.2

(22) Date of filing 02.05.1991

(30) Priority data

(31) 9010318

(32) 08.05.1990

(33) GB

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(51) INT CL⁵

A44C 15/00

(52) UK CL (Edition K)

A3H H4

(56) Documents cited

GB 0752167 A

GB 0620699 A

GB 0610900 A

GB 0599124 A

GB 0432312 A

EP 0278345 A2

US 4785642 A

US 4452052 A

(58) Field of search

UK CL (Edition K) A3H

INT CL⁵ A44C

(54) Personal perfume and/or deodorant device

(57) The invention relates to a personal perfume and/or deodorant device which comprises an insert composed of an absorbent material, which is capable of retaining and progressively releasing a perfume and/or a deodorant and a receptacle 1 for housing the said insert. The receptacle has apertures 4 in at least one surface which allows the release of the perfume and/or deodorant which exudes from the said insert positioned within the said receptacle.

The receptacle can be adapted to be attached to the wearer by means of a clip (fig 4), a chain or a pin, for example.

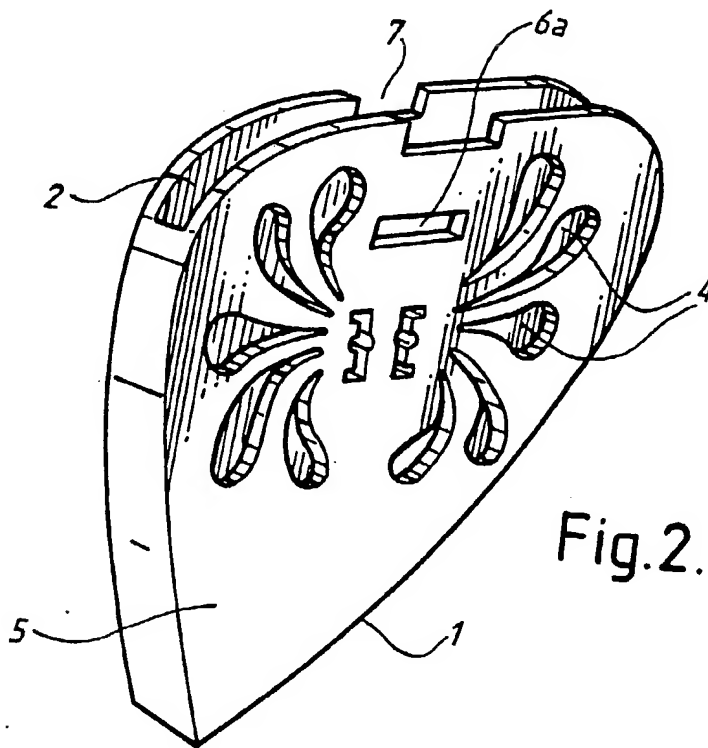


Fig.2.

At least one drawing originally filed was informal and the print reproduced here is taken from a later filed formal copy.

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Fig.1.

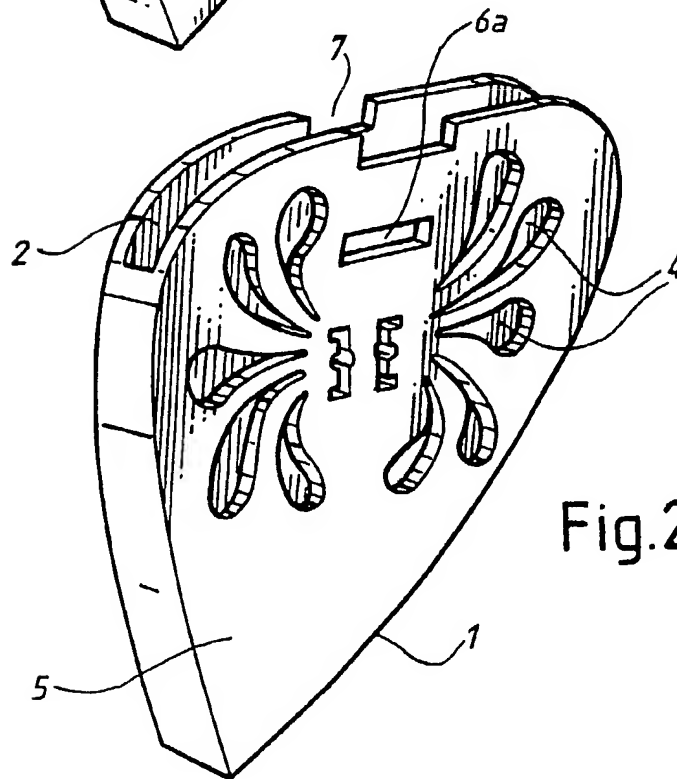
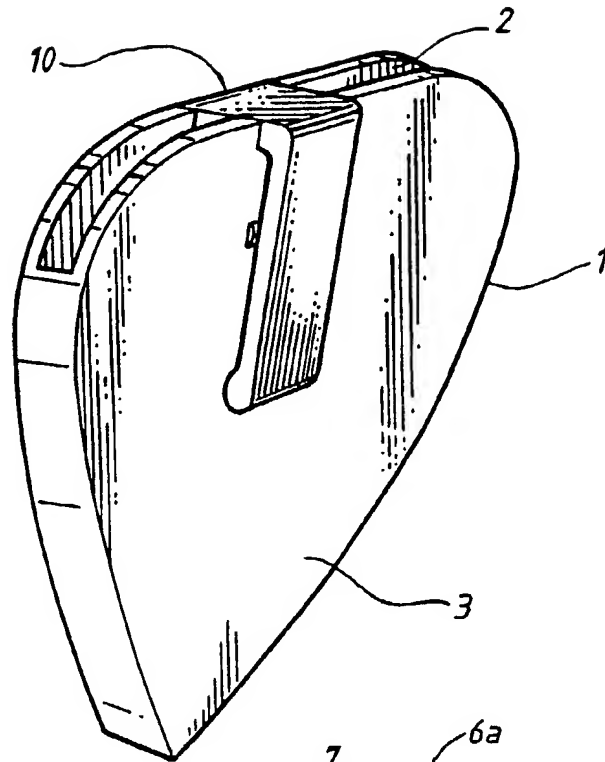


Fig.2.

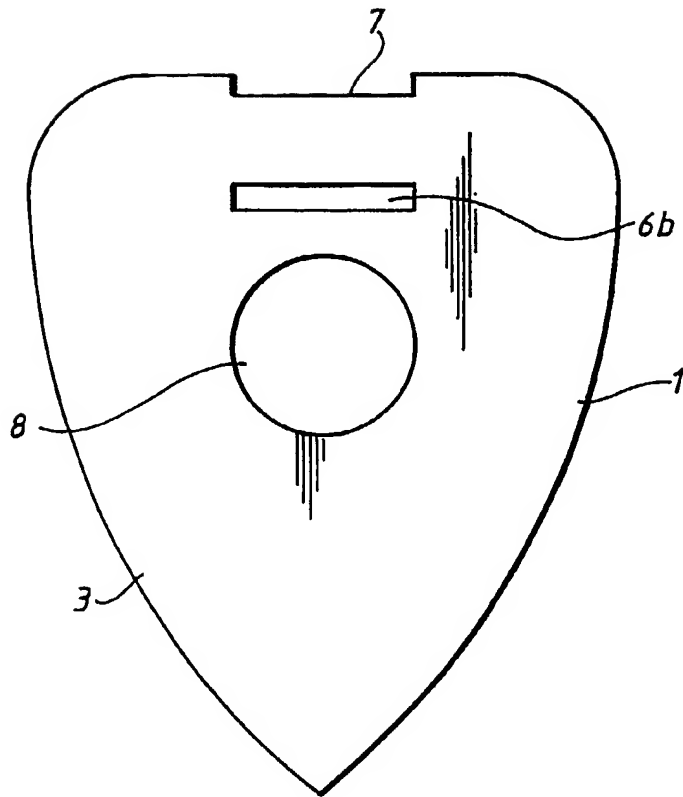


Fig.3.

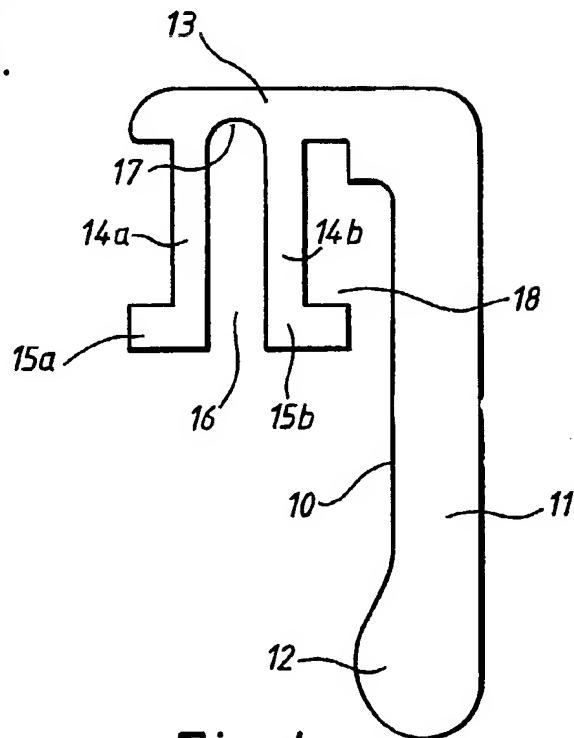


Fig.4.

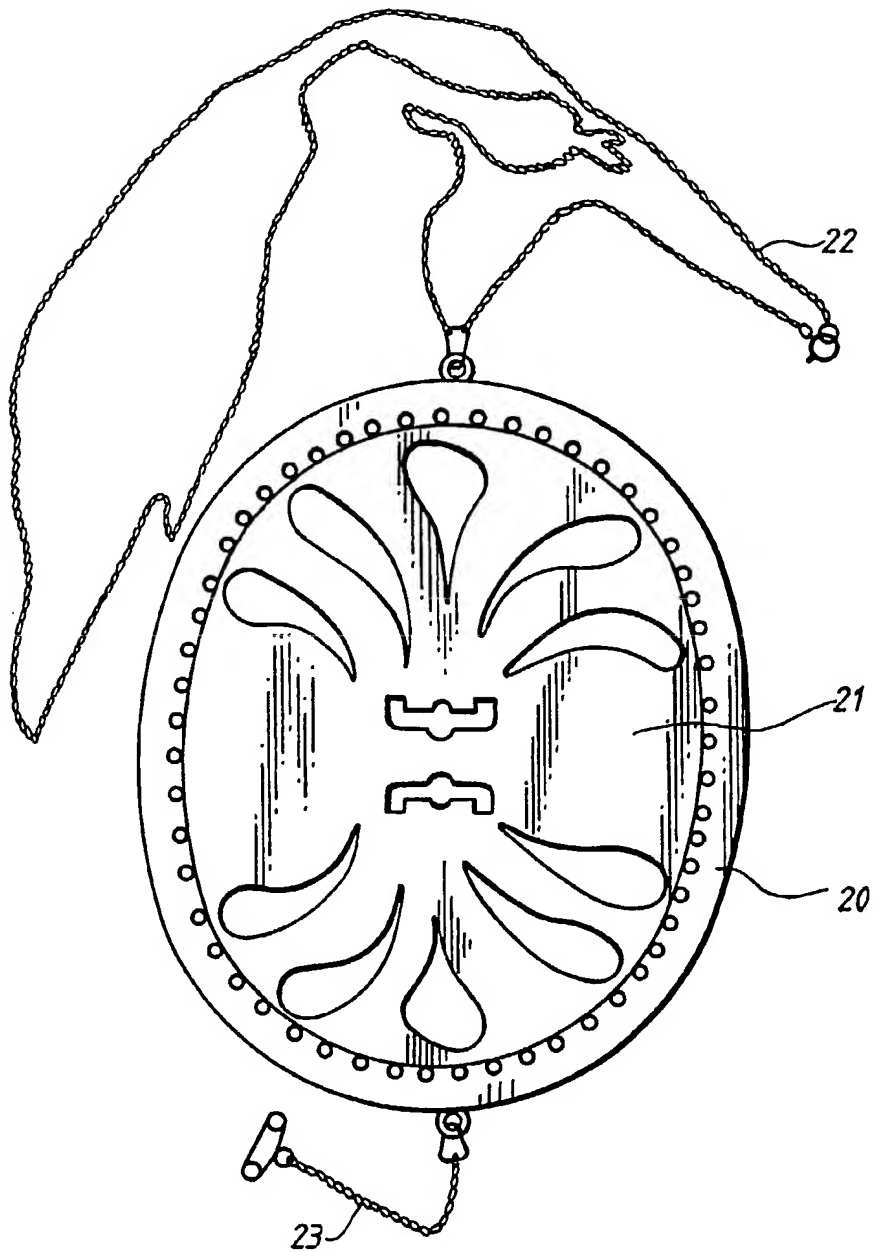


Fig.5.

Personal Perfume and/or Deodorant Device

This invention relates to a personal perfume and/or deodorant device.

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Statement of Invention

The invention relates to a perfume and/or deodorant device comprising an insert composed of a material
10 capable of retaining and progressively releasing a perfume and/or a deodorant and a decorative housing for said insert having apertures therein allowing the release of said perfume and/or deodorant from said insert through the apertures of said housing.

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Description

The device comprises in its broadest aspects a decorative housing composed, for example of a metal or
10 alloy, or of a fabric or plastics material. The housing receives a closely fitting, re-usable insert made from an absorbent material such as felt or foam. Parts only of the housing are perforated. The housing for the absorbent, re-usable insert is provided with
15 means for attaching the composite device to the wearer. A perfume or a deodorant of the wearer's choice is

applied to the insert before the latter is placed inside its housing. The fragrance of the perfume or deodorant is able to exude from the re-usable insert through the perforated wall of the housing enabling the
5 wearer to emit the particular perfume and/or deodorant of his or her choice until the insert is in need of replenishment.

For a better understanding of the invention,
10 reference is now made, by way of example only, to two embodiments of the personal perfume and/or deodorant device of the invention supported by reference to Figures 1-5.

15 Figure 1 is a rear perspective view of one embodiment of the perfume and/or deodorant device of the invention;

Figure 2 is a corresponding front perspective
20 view;

Figure 3 is a corresponding simplified plan view; rear surface of the receptacle.

25 Figure 4 is a simplified side view of a detail of the device; and

Figure 5 is an elevation of another embodiment of the invention.

The first embodiment of the invention is described by Figures 1, 2, 3 and 4 and refers to a heart-shaped housing (1) composed of plastics material, which consists of a sealed base and sealed sides, but with the top seam remaining open (2). The rear wall of the said housing (3) is solid and is impermeable to fluid except for a small aperture (8) in the centre of the rear wall. The front wall of the housing is perforated (4), the perforations extending from the top portion of the housing to approximately three-quarters of the way down the length of the housing. The perforations can be arranged in such a manner that they form an attractive design, for example, a decorative geometric pattern or a floral pattern.

The bottom quarter of the front wall of the housing (5) remains unperforated and is impermeable to liquid. Therefore, the base of the housing is entirely confined and acts as a reservoir. Any excess liquid dripping from the insert collects at the base of the housing in the reservoir area. Since the housing, in this particular embodiment of the invention, is heart-shaped, the reservoir lies at the narrowest part of the

housing at the tip of the heart. Hence, since the walls of the housing slant towards the tip of the heart shape, this encourages any excess liquid to collect at the base in the reservoir.

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The housing receives either a re-usable or a disposable absorbent insert which is placed inside the housing (1) via its opening at the top (2). The insert is of the same shape as the housing and is of similar dimensions. However, the insert is of slightly smaller size compared with the housing in order for it to fit snugly inside the housing. The insert which is composed of an absorbent material such as foam or felt is soaked in a perfume and/or a deodorant of the wearer's choice prior to its insertion into the housing. As explained below, the insert may be positioned in its housing and soaked by the wearer when needed.

20 The fragrance and/or deodorant is able to exude outwards from the inserted pad and through the perforations (4) on the front wall of the housing. After the insert has dried out and has therefore emitted all its fragrance, the insert can be: taken out
25 of the housing and replaced by a new insert; taken out of the housing, resoaked in the perfume and/or

deodorant and reused; replenished with perfume and/or deodorant directly by soaking the insert with the liquid while it is still within the housing. To this end, a pipette is inserted through the small aperture (8) in the rear wall of the housing, and pressure is applied to the pipette to release the appropriate fluid onto the existing insert.

The device is attached to the wearer by way of a separate clip (10) which is shown in Figure 4 and, which grips the housing containing the insert, and clasps it to the wearer's chosen garment, for example, underwear, theatrical costumes or suits. The clip (10) may be composed by plastics material or of a suitable metal or alloy, which may be plated. The clip (10) has an elongated body (11) 15 mm in length. The clip body (11) is enlarged at one end to form a small bolus (12), and is extended at its other end by an arm (13) at right angles thereto. The arm (13) is extended by two fingers (14a, 14b), a first portion of each finger extending in the same direction and parallel with the clip body (11). The fingers (14a, 14b) are approximately 5 mm in length. The tips of these fingers are themselves upturned (15a, 15b) to extend at right angles to the fingers (14a, 14b) in opposite directions.

The two fingers (14a, 14b) define between them a niche (16) with rectangular cross-section over most of its length and a domed top (17). The niche (16) is complemented by slots (6b, 6a) cut into the rear and front wall of the housing respectively. The slots (6b, 6a) are at a distance from the top of the housing (1) corresponding to the distance of the fingers (14a, 14b) from the arm (13) of the clip (10). The fingers (14a, 14b) defining the niche (16) are inserted into the housing at the top surface (2) so that the clip body (11) runs down the rear surface of the housing (3). The domed top surface (17) of the niche (16) complements the top surface of the housing which is recessed (7) to receive the clip. The two slots (6b, 6a), one cut into each wall of the housing, and positioned approximately 5 mm down the housing walls, accommodate the upturned portion of the fingers (15a, 15b). The upturned portion of the fingers, therefore, act to clamp the housing onto the clip.

20

The innermost finger (14b) and the adjacent clip body (11) define together with the arm and upper portion of said body, a second niche (18). The second niche (18) has a very small opening because the upturned region of the inner most finger (15b) points towards the clip body. The bolus (12) at the base of

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the body is designed so that it just conceals the opening of the second niche (18). The clip body is placed down the inside of a garment, the edge of the said garment being clipped tightly by the second niche
5 (18).

The clip, therefore, can be attached to a garment worn by a male or a female, and secure the decorative housing holding the insert flat to the wearer. The
10 perforated front wall of the housing can, therefore, emit the requisite fragrance.

If the wearer does not desire the device to be seen on the outside of his/her garment, then the clip
15 functions as a reversible clip so that the body of the clip is exposed on the outer surface of the garment and the device is held on the inside.

An alternative second embodiment of the invention
20 is shown in Figure 5 and consists of a decorative housing (20) composed of, for example, a metallic material such as silver or gold and which is preferably oval or round in shape. The housing (20) forms a pendant, the rear wall of which is impermeable and the
25 front wall of which is perforated (21). The perforated wall (21) is thus arranged so that it is aesthetically

attractive, for example, as a metallic, geometric lace work or filigree. The front and rear walls of the housing are joined by way of a hinge at one side and secured where the surfaces join at the opposite side,
5 for example, by way of a clip.

A re-usable insert composed of an absorbent material, for example, foam, felt or a fibrous material, is placed into the pendant after being soaked
10 in a perfume of the user's choice.

The fragrance exudes out of the front wall of the pendant creating an attractive and personalised aroma.

15 The housing/pendant is attached to the wearer by means of a neck chain (22) composed of the same metal as the outer casing of the pendant and a small safety chain (23), or else by means of a brooch pin attached to the outer surface of the rear of the pendant. If
20 this latter option is preferred by the wearer then the neck chain, which is detachable, is removed and the pendant is pinned to the wearer's clothes. The decorative, perforated wall faces outwards, to exude the aroma.

25 The insert can be reused by replenishing the perfume and/or deodorant or replaced by a new insert.

Claims

1. A personal perfume and/or deodorant device adapted to be attached to a wearer's garment or to be worn as a locket or pendant, said device comprising a decorative housing for a perfume and/or deodorant insert composed of an absorbent material capable of retaining and progressively releasing a desired perfume and/or deodorant through apertures in at least part of the housing walls.

2. A device as claimed in Claim 1, wherein said housing comprises two parts hinged to one another to allow the housing to be opened and a closure means for joining the two parts together to close the housing, one of the parts having said apertures provided therein.

3. A device as claimed in Claim 1 wherein said device is provided with a separate clip member for attaching the device to the wearer, said clip member being adapted to grip both said housing and the wearer's garment.

25

4. A device according to Claim 3, wherein the clip member comprises an elongated body, an enlarged bolus portion at one end of the body and an arm at its opposite end substantially at right angles to the remainder of the body, wherein said arm is extended by a pair of fingers, a first portion of each finger being parallel with said body, and a second portion being normal thereto, wherein said second portions of the fingers point in opposite directions to each other, the fingers together defining a first niche for receiving a corresponding wall of said housing, slots in said walls being adapted to receive the second portions of the fingers, and the inner finger relative to the elongated body defining, together with the arm and part of said body, a second niche for receiving an edge-portion of a wearer's garment, whereby said device maybe releasably secured to said garment.

5. The combination of a device as claimed in any of Claims 1 to 4 and an insert as defined therein.